

AMENDMENTS TO THE CLAIMS:

If entered, this listing of claims will replace all prior versions and listings of claims in the application.

Listing of Claims:

1 through 20. (Canceled)

- A1 ⁵⁰⁰ B1
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21. (New) A computer system for supervision and operation of a semiconductor facility, said system comprising:
- a plurality of processing tools;
 - a manufacturing execution system to control said
- 5 processing tools and to track manufacturing data;
- a plurality of user set-up functions to selectively transfer user data from a plurality of users to said manufacturing execution system and to selectively transfer said manufacturing data from said manufacturing execution
- 10 system to said users; and
- a user interface function to translate said manufacturing data prior to said transfer to said users and to translate said user data from said users prior to said transfer to said manufacturing execution system.

AI 22. (New) The system according to Claim 21 wherein said user interface function is further capable of detecting faulty entries in said user data.

23. (New) The system according to Claim 21 wherein one of said users is a numerically controlled tool.

24. (New) The system according to Claim 21 wherein said user set-up function is capable of selecting a specific said processing tool.

25. (New) The system according to Claim 24 wherein said user set-up function is capable of tracking an operational mode of said selected processing tool.

26. (New) The system according to Claim 21 wherein said manufacturing data further comprises the results of statistical analysis of said manufacturing data.

27. (New) A method of supervision and operation of a semiconductor facility, said method comprising:
providing a plurality of processing tools;
providing a computer system comprising:

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a manufacturing execution system to control said processing tools and to track manufacturing data;

a plurality of user set-up functions to selectively transfer user data from a plurality of users to said manufacturing execution system and to selectively transfer said manufacturing data from said manufacturing execution system to said users; and

10 a user interface function to translate said manufacturing data prior to said transfer to said users and to translate said user data from said users prior to said transfer to said manufacturing execution system; and

monitoring said processing tool through said computer system.

28. (New) The method according to Claim 27 wherein said user interface function ~~is~~ further capable of detecting faulty entries in said user data.

29. (New) The method according to Claim 27 wherein one of said users is a numerically controlled tool.

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A1 30. (New) The system according to Claim 27 wherein said user set-up function is capable of selecting a specific said processing tool.

31. (New) The system according to Claim 30 wherein said user set-up function is capable of tracking an operational mode of said selected processing tool.

32. (New) The system according to Claim 31 wherein said manufacturing data further comprises the results of statistical analysis of said manufacturing data.
